

Title: US-10-563-601-1  
Perfect score: 852  
Sequence: 1 agtcgatacctccgagaata.....gactatattgtgggcgtaatg 852

Scoring table: OLIGO\_NUC  
Gapop 60.0 , Gapext 60.0

Searched: 66588504 seqs, 38904969350 residues

Word size : 12

Total number of hits satisfying chosen parameters: 4132221

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

RESULT 5

CA082260

LOCUS CA082260 591 bp mRNA linear EST 23-SEP-2003  
DEFINITION SCAGAM2125B02.g AM2 Saccharum officinarum cDNA clone SCAGAM2125B02  
5', mRNA sequence.

ACCESSION CA082260

VERSION CA082260.1 GI:34935261

KEYWORDS EST.

SOURCE Saccharum officinarum

ORGANISM Saccharum officinarum

Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;  
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD  
clade; Panicoideae; Andropogoneae; Saccharum; Saccharum officinarum  
complex.

REFERENCE 1 (bases 1 to 591)

AUTHORS Vettore,A.L., da Silva,F.R., Kemper,E.L. and Arruda,P.

TITLE The libraries that made SUCEST

JOURNAL Genet. Mol. Biol. 24 (1-4), 1-7 (2001)

COMMENT Contact: Arruda P

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Clone distribution: clone distribution information can be found

through the Brazilian Clone Collection Center (BCCC) at

<http://www.bccccenter.fcav.unesp.br>

Plate: 125 row: B column: 02

Seq primer: T7 Promoter Primer.

FEATURES Location/Qualifiers

source 1..591

/organism="Saccharum officinarum"

/mol\_type="mRNA"

/db\_xref="taxon:4547"

/clone="SCAGAM2125B02"

/lab\_host="DH10B"

/clone\_lib="AM2"

/note="Organ: Apical meristem and tissues surrounding of  
immature plants; Vector: pSport1; Site\_1: SalI; Site\_2:

NotI; An unidirectional cDNA library generated from

[Apical meristem and tissues surrounding of immature

plants]. cDNA was prepared from polyA+ mRNA using

SuperScript Plasmid System Kit (Invitrogen). The

double-strand cDNAs were fractionated in a sepharose

CL-2B 40cm-columns and fragments sizing between 0.8 and

1.5 Kb were directionally cloned into the vector. Details

of each source of RNA and library construction can be

obtained at <http://sucest.lad.ic.unicamp.br/public>"

ORIGIN

Query Match 2.5%; Score 21; DB 5; Length 591;  
Best Local Similarity 100.0%; Pred. No. 30;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 247 GAAGGTGAAGGAGCTGTTGAA 267  
 |||||  
 Db 394 GAAGGTGAAGGAGCTGTTGAA 414